

MINISTRY OF THE INTERIOR, EGYPT.

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Department of Public Health.

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**FOURTEENTH**

**ANNUAL REPORT OF THE**

**OPHTHALMIC SECTION, 1926.**

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**Government Press, Cairo, 1928.**

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# FOURTEENTH ANNUAL REPORT OF THE OPHTHALMIC SECTION, 1926.

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## Foreword.

The Department has given special care to facilitate ophthalmic treatment for the inhabitants of the country and made efforts to generalise ophthalmic hospitals or establish ophthalmic branches in general hospitals in the large towns of markazes which are deprived of this treatment. The Department also endeavoured to increase the number of travelling hospitals which are intended to convey treatment to the doors of patients in the villages lying at a remote distance from the localities where permanent hospitals exist.

The Department having found that throwing all the financial burden required for generalising these hospitals solely on the shoulders of the Government will not realise the end aimed at of generalising them as quickly as desired, obtained the promise of the Ministry of Finance to grant the credits required for the maintenance of the ophthalmic hospitals which will be established at the expense of Provincial Councils or individuals.

This Government promise encouraged the Local Bodies and notables to assist the Department in increasing the number of these hospitals.

During 1926 two ophthalmic branches at Mallawi and Barrim (Kôm Hamâda) were opened. These branches were established at the expense of Provincial Councils and taken over by the Department for their administration and maintenance. Considering that the approval of 1926–1927 Budget which contained the credit for the travelling ophthalmic hospitals Nos. 6 and 7 was delayed and did not reach the Department before October, 1926, that the approval of the credit allotted by Charbîya Provincial Council for a travelling ophthalmic hospital was only notified to the Department in November, 1926, and that the Ophthalmic branch established by Daqahliya Provincial Council at Mît Ghamr General Hospital was not handed over to the Department before March, 1927, the above three units were only opened for treatment early in 1927.

In spite of the long time which necessarily be spent in constructing these hospitals, in selecting their suitable sites and in providing with necessary appliances, as some of them have to be imported from abroad and in training the staff to whom they will be intrusted, the Department has been able to overcome these difficulties and has opened the two travelling ophthalmic hospitals Nos. 6 and 7, the first on January 22, 1927 and the second on February 19, 1927, the Ophthalmic Branch at Mît Ghamr on April 20, 1927 and has completed the equipment of the travelling ophthalmic hospital belonging to Gharbîya Provincial Council and will open it about June, 1927.

By the erection of the ophthalmic hospitals and branches above mentioned, the number of ophthalmic institutions existing in the country till the end of 1926 will be brought to 31; of which 23 are permanent and 8 are travelling. This number shows an increase of 2 ophthalmic branches (at Barrim and Mallawi) over that of 1925, but in April 1927, the time at which this Report is written, the number of ophthalmic hospitals and branches reached 35; of which 24 are permanent and 11 are travelling.

As to the Government ophthalmic hospitals of Fouad Ist at Alexandria and Maghâgha, allotted to in last year's report, these are expected to be totally constructed and equipped during 1927.

It is very pleasant to mention with high appreciation that the Parliament has, during the discussion of this Department's Budget for 1926–1927, expressed the noble desire to encourage the efforts displayed by this Department in improving the sanitary condition of the country and, as a token of this desire, has approved the credits applied for in that Budget for building a large ophthalmic hospital at Rôd el Farag, Cairo, and ophthalmic branches in the general hospitals at Suez, Aswân, Qena and Luxor. The State Buildings Department (Ministry of Public Works) has made the necessary plans and estimates for these buildings and they are expected to be completed within the next two years.

This desire expressed by the Parliament has naturally encouraged the Department to apply for more credits for ophthalmic hospitals in its Budget for the year 1927–1928 and it has therefore proposed to build an ophthalmic hospital at Port Said, an ophthalmic branch in a general hospital at Badâri and 3 other travelling ophthalmic hospitals.

The Department will continue its efforts to induce the Local Bodies and generous individuals to help in increasing the number of permanent ophthalmic hospitals and branches so as to generalise them in all Mudiriya markazes and to increase also the number of travelling

hospitals which are intended for treatment in villages situated at far distances from markaz towns and to establish ophthalmic clinics in the rest of the Government Primary Schools. A large scheme was prepared for this purpose and it is hoped that it will be executed gradually. This scheme also includes the sending of ophthalmic surgeons on educational mission abroad, one every year, for a period of ten years to specialise in the various branches of Ophthalmology, ophthalmic Pathology and Bacteriology. Facilities will be made for the ophthalmic surgeons to obtain study leaves abroad if the exigencies of work allow.

There is at present a medical officer on educational mission at Germany to specialise in practical Optics and another medical officer will be sent during 1927 on educational mission to obtain the D.O.M.S.

It is worth mentioning that two Europeans, a pathologist and an ophthalmic surgeon, arrived and assumed their duties at the Memorial Ophthalmic Laboratory, Gîza ; the first in January 1926 and the second in September 1926. They are assisted by two medical officers from the ophthalmic hospitals who returned from educational mission. the first at the end of 1926 and the second at the beginning of 1927. The benefit of Gîza Laboratory is not only limited to teaching ophthalmology and graduating specialists but also comprises researches in connection with ophthalmic diseases prevalent in Egypt.

The Department has but to express its thanks to the Local Authorities for the kindness they have shown towards the poor patients who come from distant villages for treatment at the out-patient department of the ophthalmic hospitals, by the erection of shelters, at their expense, near the hospitals for protecting these patients from the changes of weather. Till the present 6 of these shelters have been erected and it is hoped that the scheme will extend to all hospitals.

#### PATIENTS.

During 1926 there were 272,777 new patients, 8,745 in-patients treated, 140,788 operations and 2,628,463 attendances of out-patients recorded. These figures, as compared with those of the previous year, show an increase of more than 15 per cent in new patients, 10 per cent in in-patients, 11 per cent in the operations and 15 per cent in the attendances of out-patients. This increase undoubtedly proves the increasing confidence of the population in the ophthalmic hospitals' treatment.

During 1926, 28,681 persons or 10·1 per cent of all patients examined were found to be blind in one or both eyes. This percentage, although still high, is less than that of last year which was 10·4 per cent, and it is gradually falling since 1919, in which it was 15·3 per cent as shown in Table XIV. The definition of blindness followed at the ophthalmic hospitals is the inability to count fingers held up at a distance of one metre (after Trcu-sseau).

The pathological causes of blindness are detailed in Table XII where it is clearly shown that acute ophthalmias form about 74·6 per cent of all causes. The attack of acute ophthalmia is characterised by being very rapid and destructive. Therefore, whenever its signs appear, treatment should be sought for at once. Treatment of acute ophthalmias is by painting with silver nitrate solution (2 per cent) and constant washing of the eye with eusol solution and the washing of the conjunctival sac for some time with same eusol solution. Constant washes (No. of days' treatment) for such cases were 426,554 during 1926.

Microscopical examination showed that gonococcus still causes the largest proportion of infection with acute ophthalmias as was the case in the past.

#### OPHTHALMIC CLINICS AT GOVERNMENT PRIMARY SCHOOLS.

The Ophthalmic Section carries out the examination, inspection and treatment of all pupils of the primary schools in the capital towns in the provinces in which there are ophthalmic hospitals and also the pupils of Mohammad Ali, Abbâssîya (old Husseinia), Munîra, Mohammadiya, Gamaliya and Abbas Schools in Cairo (the last four opened this year) and Moharram Bey and Ras el Tin Schools in Alexandria.

The number of these schools is now twenty one and the number of pupils examined 9,808 pupils. Ninety two per cent of all pupils were found to be infected with trachoma in its various stages and more than 22 per cent were suffering from that disease in its serious stages (stages 1 and 2). The latter percentage however fell to about 6 per cent as a result of the ophthalmic treatment.

This good result denotes the necessity of generalizing the ophthalmic treatment in schools which can only be done by increasing the number of ophthalmic hospitals and of medical officers required for them.

The statistics have shown that only 32 per cent of the pupils do not possess sufficient good vision to enable them to attain the lowest visual standard required for candidates to the permanent posts in the government service (6/12 in each eye or 6/6 in one and 6/18 in the other).

The vision of some of the above pupils has improved by using spectacles, and thus 282 pupils were able to attain the standard of vision required for government services.

### MODIFICATION OF METHOD OF TREATING TRACHOMA IN SCHOOLS.

The method of treating Trachoma ii, was, as mentioned in the report for 1922 :—

“ By rupturing the follicles after cocanization (at the school ophthalmic room) with Graddy's forceps. No scraping with a spoon is to be done. Undue force should not be used and endeavour should be made to cause as little bleeding as possible : this mechanical treatment may require several applications. A bottle of eusol and some cotton wool should be given to each pupil after mechanical treatment. This should be followed by  $H_2Cl_2$  one per cent solution applied to the conjunctiva firmly with a glass rod and cotton wool for 10 applications. During this time, further mechanical treatment may be applied if there are still follicles unruptured. After every mechanical treatment a period of at least five days  $H_2Cl_2$  rubbing should be applied. After this,  $CUSO_4$  drops three per cent should be used until cicatrization is complete.”

The result of this method of treatment was the reduction of percentage of trachoma ii from 9·7 per cent at the beginning of the school session to 2·0 per cent at the end of that session.

Since 1925, a slight modification was made on this method by increasing the number of rubbing with  $H_2Cl_2$  one per cent from 5 to 10 times, with the result that the treatment was improved and the percentage reduced from 10·33 per cent at the beginning of the school session (1926–1927) to 0·47 per cent at the end of that session.

This method having proved to be satisfactory will continue to be adopted in the future and care will be taken to try and investigate all methods of treatment with a view of finding the best method.

### TREATMENT OF PUPILS OF OTHER PRIMARY SCHOOLS.

The Medical Officers of the travelling and permanent ophthalmic hospitals in markazes and some Governorates have examined the eyes of pupils of all the primary schools existing in these towns where such hospitals exist and recommended that pupils requiring treatment for trachoma, operations for other complications in their eyes or refraction for spectacles, should be sent to the ophthalmic hospital daily at certain times, for treatment. The number of schools treated in this way in 1926 was fifteen.

### COST OF PROVISION AND MAINTENANCE OF OPHTHALMIC HOSPITALS.

The capital expenditure involved in the provision and equipment of ophthalmic hospitals (Alexandria Branch excluded) has been L.E. 154,500. Of this sum the amount sustained by the Government was not more than L.E. 35,240. The remainder was paid by the provincial Councils or Municipalities or collected through public subscription or donations.

The annual cost of maintenance in 1925–1926 including the cost of administration and the expenses of the Ophthalmic Clinics in the Primary Schools, was L.E. 50,981 as shown in the detailed lists appended to this report which are significant of proper economical management.

# THE OPHTHALMOLOGICAL SOCIETY OF EGYPT.

The annual meeting of the Ophthalmological Society of Egypt was held at the Students' Club, School of Medicine, Cairo, on Friday, April 15, 1927. Most of the Medical Officers of the Ophthalmic Section attended as usual. There were 72 members present and some visitors. Speeches on the following subjects were delivered by members of the Staff:—

The Ophthalmic Hospitals of Egypt: few hints on spring catarrh; a modified combined excision operation: experience with Wheeler's operation of the restoration of the orbit for a prothesis; a rare benign tumour of the orbit, cavernous angioma surgical interference according to professor Truc of Montpellier; a case of exfoliation of the capsule of the lens associated with grey deposits on the pupillary order in chronic glaucoma; a case of chronic glaucoma (monocular) in a girl with severe nævus of the face or coincidence of angioma of the vascular layer of the eye and nævus of the face; how diphtheritic conjunctivitis can be over estimated in its incidence in Egypt; a coincidence of acute glaucoma in one eye with thrombosis of the central vein of the retina and rise of tension of the other eye; transient myopia in diabetes mellitus; interstitial keratitis after trephining in primary glaucoma, diagnosed by the slit lamp; the phenomenon of anisometropia; congenital cystic microphthalmos; hole at macula through trauma with a fist; a case of hæmorrhagic neuro-retinitis due to pernicious anaemia; treatment of lacrimal fistulae with bismuth and iodoform; treatment of blepharitis and eczema of lids with ultra violet radiations from an instrument called Midiafore; gunma of the lids; treatment of chronic dacryocystitis with some modification in the process of syringing; anaphylaxis in milk injection: tutocaine.

TABLE I.—WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1926.

1.—IN-PATIENTS: TOTAL NUMBER	8,745
(Number of available beds 510)	
Number of diets issued	165,983
2.—OPERATIONS:—	
I. Major:—	
(a) Senile cataract	1,509
(b) Soft cataract	448
(c) Trichiasis or entropion	53,044
(d) Other operations	13,441
TOTAL	68,442
II. Minor (including mechanical treatment of trachoma)	72,346
GRAND TOTAL, major and minor operations	140,788
3.—OUT-PATIENTS:—	
I.—Incurable	4,044
II.—Postponed	6,781
III.—Tickets issued, <i>i.e.</i> new cases	272,777
IV.—Old cases	2,344,861
V.—Visits made by patients to hospital for treatment (equal I + II + III + IV).	2,628,463
VI.—Average number of visits made to hospital by each patient under regular treatment (old cases+tickets issued) ÷ tickets issued. The factor of incurable cases is neglected	9.6
VII.—Discharges:—	
(a) Cured	74,157
(b) Relieved	15,179
(c) Incurable	1,199
(d) Spontaneously ceased to attend after having attended only once	34,193
(e) Spontaneously ceased to attend after having attended more than once	87,263
VIII.—Trichiasis cases seen among new out-patients:—	
(a) No previous operation having been performed	46,148
(b) Previous operation performed unsuccessfully (not at an Ophthalmic Hospital, but probably by some charlatan)	4,424

N.B.—3. I. Incurable cases do not receive tickets, but are recognized as soon as seen by the surgeon as both incurable and devoid of surgical interest.  
 VII. (c) Incurable cases include those which are recognized as soon as seen by the surgeon as incurable but are given tickets for statistical or other purposes.

TABLE I.—WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1926 (*continued*).

3.—OUT-PATIENTS ( <i>contd.</i> ) :—														
IX.—Spectacles ordered ... ..													1,088	
X.—Constant wash cases (number of days' treatment) ... ..													426,554	
XI.—Ages of patients examined :—														
													PER CENT.	
Under one year ... ..													5.87	16,020
From 1 to 5 years ... ..													13.03	35,549
,, 6 „ 10 „ ... ..													9.84	26,852
,, 11 „ 15 „ ... ..													9.02	24,613
,, 16 „ 20 „ ... ..													7.68	20,967
, 21 „ 25 „ ... ..													7.58	20,676
,, 26 „ 30 „ ... ..													7.85	21,436
,, 31 „ 35 „ ... ..													8.31	22,679
,, 36 „ 40 „ ... ..													7.04	19,243
,, 41 „ 45 „ ... ..													6.46	17,643
,, 46 „ 50 „ ... ..													5.04	13,759
,, 51 „ 55 „ ... ..													3.57	9,741
,, 56 „ 60 „ ... ..													3.31	9,036
,, 61 „ 65 „ ... ..													2.59	7,072
,, 66 „ 70 „ ... ..													1.59	4,116
Over 70 years ... ..													1.23	3,375
TOTAL ... ..														272,777
XII.—Origin of patients :—														
Patients from :—														
(a) Town in which hospital is situated ... ..													98,360	
(b) Markaz in which hospital is situated ... ..													99,427	
(c) Other Markazes of same Mudîrîya ... ..													44,833	
(d) Other Mudîrîyas or Governorates ... ..													30,157	
TOTAL ... ..														272,777

TABLE II.—LIST OF DISEASES.

<i>Ametropia</i> :—														
Hypermetropia ... ..														1,006
Myopia ... ..														1,283
Astigmatism ... ..														960
Presbyopia... ..														152
<i>Conjunctiva</i> :—														
Conjunctivitis, gonococcal ... ..														12,420
,, Morax-Axenfeld ... ..														1,753
,, Koch-Weeks ... ..														7,238
,, Pneumococcal ... ..														950
Diphtheritis conjunctivitis ... ..														5
Other organisms or negative and unclassified ... ..														8,734
Trachoma I ... ..														21,137
,, IIa ... ..														38,848
,, IIb' ... ..														3,360
,, IIb" ... ..														111

TABLE II.—LIST OF DISEASES (*continued*).

*Conjunctiva* (contd.) :—

[illegible]

Other conditions :—

Argyrosis ... ..	272
Colloid and hyaline degeneration...	53
Hypertrophied caruncle ... ..	141
Injuries (foreign bodies, burn, etc.)	193
Cyst ... ..	32
Fibroma ... ..	1

*Eyelids* :—

Pediculus ciliaris	...	...	...	...	...	...	...	...	...	...	...	...	...	...	585
Trichiasis and entropion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	53,612
Distichiasis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	131
Ectropion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	577
Lagophthalmos	...	...	...	...	...	...	...	...	...	...	...	...	...	...	798
Blepharitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22,158
Hordeolum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,228
Wart	...	...	...	...	...	...	...	...	...	...	...	...	...	...	247
Chalazion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,490
Eczema	...	...	...	...	...	...	...	...	...	...	...	...	...	...	357
Rodent ulcer	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27
Dermoid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55
Ptosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	300
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Herpes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	51
Chancre	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Epithelioma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
Other tumours	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39
Leucodermia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
Injuries and abscesses	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16

*Lacrimal Apparatus :—*

[illegible]

*Cornea* :—

Ulceration, simple ... ..	12,861
,, hypopyon ... ..	732
,, perforation ... ..	3,079
,, special forms ... ..	242
Pannus ... ..	40,048
Keratitis, interstitial ... ..	20
,, trachomatous ... ..	964
Nebula or leucoma ... ..	93,408
Adherent leucoma ... ..	15,459
Totally opaque cornea ... ..	8,804



TABLE II.—LIST OF DISEASES (*continued*).

<i>Lens (contd.):—</i>																
Cataract, traumatic ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	154	
„ lamellar ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	
„ anterior polar ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,181	
„ posterior „ ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	67	
„ dislocated, traumatic ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	194	
„ „ operative ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17	
„ „ congenital ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	
Aphakia ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	898	
Secondary cataract ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	199	
Ectopia lentis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	
<i>Vitreous :—</i>																
Opacities ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	139	
Foreign bodies ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	
<i>Muscles :—</i>																
Strabismus, alternating ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	783	
„ convergent ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,834	
„ divergent ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6,125	
Heterophoria ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	117	
Nystagmus ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	988	
Paralysis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27	
<i>Glaucoma :—</i>																
Primary, acute ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	} Including absolute glaucoma caused by acute, sub-acute or chronic glaucoma.	32
„ sub-acute ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...		184
„ chronic ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...		3,401
Secondary ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,711	
<i>Globe :—</i>																
Shrunken globe ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,425	
Buphthalmos ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41	
Exophthalmic goitre ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	
Panophthalmitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	296	
Microphthalmos... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27	
Anophthalmos ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	
Injury ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	108	
Late infection after trephining ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	
<i>Orbit :—</i>																
Tumours ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	
Cellulitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	
Tenonitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	
Periostitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	
Injuries ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	
Cyst, frontal ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	
„ ethmoidal ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	
Contracted socket ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	63	
Fly-blown ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	
<i>Blind : —</i>																
In one eye... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21,979	
In both eyes* ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6,702	

\* Patients are accounted blind who cannot count fingers at one metre.



TABLE IV.—LIST OF OPERATIONS (*continued*).

TOTAL, brought forward ... ..													57,925
Eyelids (contd.) :—													
For Ectropion (contd.) :—													
Kenneth Scott's	...	...	...	...	...	...	...	...	...	...	...	...	—
Kuhnt's	...	...	...	...	...	...	...	...	...	...	...	...	19
Other operations	...	...	...	...	...	...	...	...	...	...	...	...	47
For ptosis	...	...	...	...	...	...	...	...	...	...	...	...	30
For symblepharon	...	...	...	...	...	...	...	...	...	...	...	...	81
For hordeolum and chalazion (minor)...	...	...	...	...	...	...	...	...	...	...	...	...	2,067
Cyst removed	...	...	...	...	...	...	...	...	...	...	...	...	133
Wart excised (minor)	...	...	...	...	...	...	...	...	...	...	...	...	114
Restitching wounds (minor)	...	...	...	...	...	...	...	...	...	...	...	...	41
Opening abscesses (minor)	...	...	...	...	...	...	...	...	...	...	...	...	465
Various	...	...	...	...	...	...	...	—	...	...	...	...	2
Conjunctiva :—													
For trachoma :—													
Expression or Mechanical Treatment (minor)	...	...	...	...	...	...	...	...	...	...	...	...	36,780
Combined excision of Heisrath	...	...	...	...	...	...	...	...	...	...	...	...	612
Post-trachomatous degeneration (minor)	...	...	...	...	...	...	...	...	...	...	...	...	25,186
Other operations	}	(minor)	...	...	...	...	...	...	...	...	...	...	183
		(major)	...	...	...	...	...	...	...	...	...	...	185
Pterygium	...	...	...	...	...	...	...	...	...	...	...	...	1,833
Canthotomy (minor)	...	...	...	...	...	...	...	...	...	...	...	...	12
Cornea :—													
Foreign body removed (minor)	...	...	...	...	...	...	...	...	...	...	...	...	707
Sæmisch's section	...	...	...	...	...	...	...	...	...	...	...	...	120
Cautery	...	...	...	...	...	...	...	...	...	...	...	...	106
Various	...	...	...	...	...	...	...	...	...	...	...	...	16
Iris :—													
Iridectomy for adherent leucoma	...	...	...	...	...	...	...	...	...	...	...	...	4,197
„ visual	...	...	...	...	...	...	...	...	...	...	...	...	535
„ for glaucoma	...	...	...	...	...	...	...	...	...	...	...	...	668
„ preliminary for cataract	...	...	...	...	...	...	...	...	...	...	...	...	122
Cystoid cicatrix	...	...	...	...	...	...	...	...	...	...	...	...	6
Division of anterior synechia	...	...	...	...	...	...	...	...	...	...	...	...	16
Various	...	...	...	...	...	...	...	...	...	...	...	...	122
Lacrimal Sac :—													
Excision	...	...	...	...	...	...	...	...	...	...	...	...	1,187
Various	...	...	...	...	...	...	...	...	...	...	...	...	1,949
Lens :—													
For senile cataract :—													
Extraction with iridectomy	...	...	...	...	...	...	...	...	...	...	...	...	1,342
„ after previous iridectomy...	...	...	...	...	...	...	...	...	...	...	...	...	167
For membrane after extraction : Discission	...	...	...	...	...	...	...	...	...	...	...	...	1,065
For soft cataract :—													
Extraction	...	...	...	...	...	...	...	...	...	...	...	...	9
Discission	...	...	...	...	...	...	...	...	...	...	...	...	115
Curette evacuation	...	...	...	...	...	...	...	...	...	...	...	...	322
Paracentesis	...	...	...	...	...	...	...	...	...	...	...	...	2
For membrane after evacuation :—													
Discission	...	...	...	...	...	...	...	...	...	...	...	...	92
Capsulotomy	...	...	...	...	...	...	...	...	...	...	...	...	13
TOTAL, carried forward ... ..													138,593

TABLE IV.—LIST OF OPERATIONS (*continued*).

TOTAL, brought forward ... ..														138,593
Globe:—														
Trephining of cornea-sclera with iridectomy	...	...	...	...	...	...	...	...	...	...	...	...	...	1,073
Trephining	...	...	...	...	...	...	...	...	...	...	...	...	...	32
Excision	...	...	...	...	...	...	...	...	...	...	...	...	...	478
Evisceration	...	...	...	...	...	...	...	...	...	...	...	...	...	265
Paracentesis	...	...	...	...	...	...	...	...	...	...	...	...	...	86
Orbit:—														
Exenteration	...	...	...	...	...	...	...	...	...	...	...	...	...	4
For tumour	...	...	...	...	...	...	...	...	...	...	...	...	...	11
„ dermoid	...	...	...	...	...	...	...	...	...	...	...	...	...	23
„ cellulitis	...	...	...	...	...	...	...	...	...	...	...	...	...	8
„ cyst, frontal	...	...	...	...	...	...	...	...	...	...	...	...	...	2
„ „ ethmoidal...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Tenotomy and advancement	...	...	...	...	...	...	...	...	...	...	...	...	...	13
Other major operations	...	...	...	...	...	...	...	...	...	...	...	...	...	194
Trial with magnet:—														
Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	—
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	5
TOTAL ... ..														140,788

TABLE V.—NUMBER OF NEW PATIENTS TREATED AND OPERATIONS PERFORMED AT ALL OPHTHALMIC HOSPITALS DURING 1926.

HOSPITAL.				NUMBER OF PATIENTS.	HOSPITAL.				NUMBER OF OPERATIONS.
No. 1 T. O. H., Rôd el Farag	...	...	...	29,276	No. 1, T.O.H., Rôd el Farag	...	...	...	13,399
Gîza	...	...	...	25,071	Gîza	...	...	...	9,365
Alexandria	...	...	...	14,027	Tanta	...	...	...	7,151
Asyût	...	...	...	12,434	Asyût	...	...	...	6,985
No. 5, T.O.H.	...	...	...	12,360	No. 5, T.O.H.	...	...	...	6,780
Faiyûm	...	...	...	11,886	Sohâg	...	...	...	5,999
Tanta	...	...	...	11,664	Faiyûm	...	...	...	5,985
Beni Suef	...	...	...	10,712	Benha	...	...	...	5,694
Sohâg	...	...	...	10,564	Ashmoun	...	...	...	5,025
Port Said	...	...	...	10,118	Minya	...	...	...	4,717
Minya	...	...	...	9,425	Shibîn el Kôm	...	...	...	4,703
Shibîn el Kôm	...	...	...	8,464	No. 2, T.O.H.	...	...	...	4,577
Benha	...	...	...	8,419	Qena	...	...	...	4,563
Daqahliya P.C., T.O.H.	...	...	...	8,230	Beni Suef	...	...	...	4,181
Zagazîg	...	...	...	8,007	Zagazîg	...	...	...	4,102
Mansûra	...	...	...	7,375	Mahalla el Kubra	...	...	...	3,932
Ashmûn	...	...	...	7,360	No. 4, T.O.H.	...	...	...	3,877
Suez	...	...	...	7,195	Alexandria	...	...	...	3,875
Mahalla el Kubra	...	...	...	6,623	Minûf	...	...	...	3,809
Qena	...	...	...	6,336	Kafr el Zaiyât	...	...	...	3,719
No. 4 T.O.H.	...	...	...	5,956	Asyût P.C., T.O.H.	...	...	...	3,686
Asyût P.C., T.O.H.	...	...	...	5,862	Mansûra	...	...	...	3,506
Damanhûr	...	...	...	5,836	Damanhûr	...	...	...	3,257
Santa	...	...	...	5,457	No. 3, T.O.H.	...	...	...	3,246
Damietta	...	...	...	5,412	Daqahliya P.C., T.O.H.	...	...	...	3,176
Minûf	...	...	...	4,883	Damietta	...	...	...	3,020
Kafr el Zaiyât	...	...	...	4,556	Santa	...	...	...	2,972
No. 2, T.O.H.	...	...	...	4,472	Port Said	...	...	...	2,707
No. 3, T.O.H.	...	...	...	4,424	Suez	...	...	...	2,608
Barrim	...	...	...	239	Barrim	...	...	...	131
Mallawi	...	...	...	134	Mallawi	...	...	...	41

N.B.—Number of working months :—

	Months.	Days.
Mallawi (opened on Dec. 28, 1926)	—	4
Berrim (opened on Dec. 18, 1926)	—	14
Asyût P.C., T.O.H.	10	29
No. 3, T.O.H.	11	3
Daqahliya P.C., T.O.H.	11	4
No. 2, T.O.H.	11	7
„ 4, T.O.H.	11	8
„ 5, T.O.H.	11	15
Other Hospitals	12	—

TABLE VI.—AVERAGE NUMBER OF OPERATIONS PER MONTH AT ALL  
OPHTHALMIC HOSPITALS DURING 1926.

HOSPITAL.	MAJOR.	HOSPITAL.	MINOR.
No. 1, T.O.H., Rôd el Farag ... ..	509	No. 1, T.O.H., Rôd el Farag ... ..	608
Gîza ... ..	417	Gîza ... ..	363
Asyût ... ..	311	Tanta ... ..	308
Sohâg ... ..	296	No. 5, T.O.H. ... ..	303
Tanta ... ..	288	Faiyûm ... ..	294
No. 5, T.O.H. ... ..	286	Asyût ... ..	272
Benha ... ..	244	Ashmûn ... ..	249
Asyût P.C., T.O.H. ... ..	222	Benha ... ..	230
Beni Suef ... ..	207	Shibîn el Kôm ... ..	209
No. 2, T.O.H. ... ..	205	Minya ... ..	205
Faiyûm ... ..	205	Sohâg ... ..	204
Qena ... ..	197	Mahalla el Kubra ... ..	204
Minya ... ..	188	No. 2, T.O.H. ... ..	202
Shibîn el Kôm ... ..	183	Minûf ... ..	185
Daqahliya P.C., T.O.H. ... ..	172	Qena ... ..	184
Mansûra ... ..	171	Barrîm ... ..	184
Ashmûn ... ..	170	Zagazig ... ..	181
No. 4, T.O.H. ... ..	169	Kafr el Zaiyât ... ..	176
Zagazig ... ..	161	No. 4, T.O.H. ... ..	175
Alexandria ... ..	152	Alexandria ... ..	171
Mallawi ... ..	147	Damietta ... ..	165
No. 3, T.O.H. ... ..	146	Port Said ... ..	163
Kafr el Zaiyât ... ..	134	No. 3, T.O.H. ... ..	146
Minûf ... ..	132	Damanhûr ... ..	143
Damanhûr ... ..	129	Beni Suef ... ..	142
Mahalla el Kubra ... ..	124	Mallawi ... ..	140
Santa ... ..	117	Santa ... ..	131
Suez ... ..	93	Suez ... ..	125
Damietta ... ..	87	Mansûra ... ..	121
Barrîm ... ..	78	Asyût P.C., T.O.H. ... ..	113
Port Said ... ..	63	Daqahliya P.C., T.O.H. ... ..	113

TABLE VII.—NEW PATIENTS TREATED ACCORDING TO THE AGE  
AT WHICH THEY SOUGHT TREATMENT

AGE.	NO. OF PATIENTS.
Under one year ... ..	16,020
From 1 to 5 years ... ..	35,549
„ 6 to 10 years ... ..	26,852
„ 11 to 15 „ ... ..	24,613
„ 16 to 20 „ ... ..	20,967
„ 21 to 25 „ ... ..	20,676
„ 26 to 30 „ ... ..	21,436
„ 31 to 35 „ ... ..	22,679
„ 36 to 40 „ ... ..	19,243
„ 41 to 45 „ ... ..	17,643
„ 46 to 50 „ ... ..	13,759
„ 51 to 55 „ ... ..	9,741
„ 56 to 60 „ ... ..	9,036
„ 61 to 65 „ ... ..	7,072
„ 66 to 70 „ ... ..	4,116
Over 70 years ... ..	3,375
TOTAL ... ..	272,777

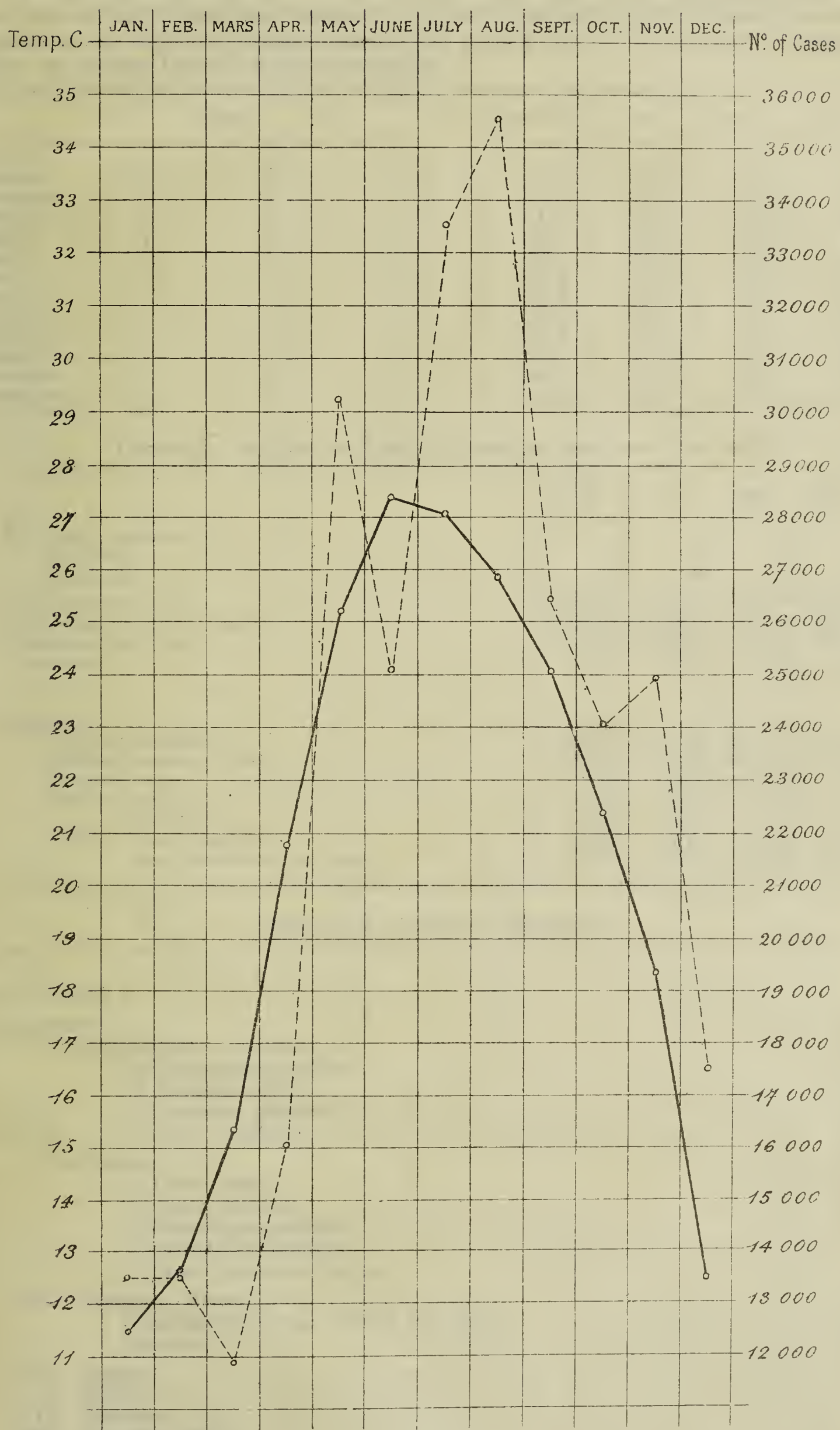
TABLE VIII.—NEW PATIENTS TREATED PER MONTH.

January	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13,560
February	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13,595
March	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11,988
April	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16,041
May	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30,218
June	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25,143
July	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33,532
August	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	35,563
September	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26,482
October	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24,111
November	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24,966
December	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17,578
TOTAL ... ..																			272,777



Table IX

## TEMPERATURE AND NUMBER OF NEW PATIENTS TREATED



————— Average temperature in degrees centigrade.  
 - - - - - New patients treated per month.

*N.B. This tables denotes that increase of new patients coincide with the rise of temperature.*



TABLE X.—AVERAGE TEMPERATURE.

The average temperature was arrived at by taking one place in Lower Egypt(Qurashîya), one place in Cairo (Gîza), and one place in Upper Egypt (Asyût) and obtaining an average figure from the mean temperature at each place on each month. This is shown in appended table, the reading being in degrees centigrade.

MONTH.	QURASHÎYA.	GIZA.	ASYÛT.	AVERAGE.
January ... ..	10·9	11·3	12·2	11·5
February ... ..	12·0	12·6	13·6	12·7
March ... ..	14·0	14·9	17·0	15·3
April... ..	18·9	20·1	23·3	20·8
May ... ..	23·0	24·0	28·5	25·2
June ... ..	26·1	26·5	29·6	27·4
July ... ..	26·2	26·3	28·6	27·0
August ... ..	25·0	25·3	27·5	25·9
September ... ..	23·4	23·2	25·3	24·0
October ... ..	20·5	20·6	22·9	21·4
November ... ..	18·0	18·1	18·7	18·3
December... ..	12·3	12·1	13·2	12·5

TABLE XI.—SYNOPSIS OF WORK OF HOSPITALS SINCE THE YEAR 1923.

	1923	1924	1925	1926
Hospitals in existence :—				
Travelling ... ..	5	5	8	8
Permanent ... ..	18	20	21	23
New patients treated ... ..	156,837	192,555	236,903	272,777
Total attendances of out-patients ... ..	1,664,791	1,885,429	2,276,735	2,628,463
Operations performed ... ..	82,466	103,582	126,254	140,788
In-patients ... ..	4,995	5,916	7,925	8,745
Details :—				
Patients examined ... ..	174,004	206,342	246,771	283,602
Patients regularly treated ... ..	156,837	192,555	236,903	272,777
Incurable cases ... ..	7,859	6,858	6,445	5,243
Blind in one eye... ..	14,394	16,535	19,422	21,979
„ both eyes ... ..	5,146	5,716	6,137	6,702
Trichiasis cases examined ... ..	31,405	37,433	41,716	50,572
„ eyes operated on and cured ... ..	33,904	42,279	47,988	53,044

TABLE XII.—CAUSES OF BLINDNESS.

A.—Congenital ... ..	19
B.—Acquired :—	
I.—Conjunctivitis resulting in :—	
(a) Total corneal opacity ... ..	8,804
(b) Shrunken globe ... ..	8,425
(c) Secondary glaucoma ... ..	5,142
(d) Other conditions ... ..	1,114
II.—Fundus :—	
(a) Optic atrophy ... ..	220
(b) Optic neuritis... ..	8
(c) Retinitis pigmentosa ... ..	41
(d) Detachment of retina ... ..	67
(e) Other diseases of fundus ... ..	214
III.—Glaucoma, Primary :—	
Monocular (including absolute No. 1216) ... ..	1,578
Binocular ( „ „ „ 928) ... ..	1,317
IV.—Cataract ... ..	3,060
V.—Injury ... ..	334
VI.—Operation ... ..	48
VII.—Infectious disease... ..	33
VIII.—Iritis endogenous ... ..	534
IX.—Various ... ..	514
TOTAL ... ..	31,472

TABLE XIII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1923	1924	1925	1926
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
<i>Permanent Hospitals :—</i>				
Tanta ... ..	8·06	7·98	8·22	6·33
Asyût ... ..	14·25	11·58	7·87	8·82
Mansûra ... ..	18·54	17·10	16·07	15·42
Beni Suef ... ..	17·34	15·91	15·16	13·28
Zagazîg ... ..	10·47	11·26	13·16	5·39
Damanhûr ... ..	9·75	9·14	8·55	7·74
Shibîn el Kôm ... ..	8·23	9·63	8·59	7·76
Sohâg ... ..	11·77	18·39	22·20	19·60
Minya ... ..	17·41	11·01	13·14	10·75
Faiyûm ... ..	10·30	10·23	10·33	11·40
Benha ... ..	10·91	11·52	9·06	8·04
Alexandria ... ..	6·99	7·41	6·99	5·99
Port Said ... ..	2·76	6·12	4·64	3·43
Qena... ..	14·97	18·99	14·70	17·92
Damietta ... ..	16·70	7·55	5·67	7·07
Gîza ... ..	—	8·88	8·16	8·11
Suez ... ..	—	10·21	8·33	7·55
Mahalla el Kubra ... ..	7·07	8·42	7·91	9·73
Kafr el Zaiyât ... ..	8·77	7·43	7·17	7·64
Santa ... ..	12·46	8·92	7·32	9·06
Minûf ... ..	—	—	5·98	8·08
Barrîm... ..	—	—	—	19·01
Mallawi ... ..	—	—	—	14·17
<i>Travelling Hospitals :—</i>				
No. I. Travelling :—				
Rôd el Farag ... ..	12·22	11·88	11·42	11·11
No. II. Travelling :—				
Gîza ... ..	12·88	15·53	—	—
Fâkûs ... ..	—	16·12	21·27	—
Desûq ... ..	—	—	10·48	—
Dilingât ... ..	—	—	—	20·07
Shubrakhît... ..	—	—	—	21·44
No. III. Travelling :—				
Aswân ... ..	12·32	13·12	12·73	11·14
Isna ... ..	12·63	—	21·28	—
Idfû ... ..	—	16·69	—	15·84
No. IV. Travelling :—				
El Saff ... ..	—	—	16·00	13·79
Bilbeis... ..	—	—	—	14·64
No. V. Travelling :—				
Beni Mazâr ... ..	—	—	11·16	12·04
Girga ... ..	—	—	—	14·31
Asyût Travelling :—				
Manfalût ... ..	5·87	—	6·41	—
Dairût ... ..	7·64	—	10·44	—
Mallawi ... ..	—	11·27	16·00	10·19
Abnûb ... ..	5·87	6·05	—	10·29
Abu Tîg ... ..	11·21	9·33	9·61	11·10
Badâri ... ..	—	7·63	—	10·67
Daqahliya Travelling :—				
Mît Ghamr ... ..	—	3·43	—	7·46
Matarîya ... ..	6·21	—	—	—
Dikirnis ... ..	12·67	8·94	10·97	11·28
Fâriskûr ... ..	—	7·86	—	—
Aga ... ..	13·09	—	9·09	15·98
Simbillâwein ... ..	19·85	5·36	10·72	7·91
Manzala ... ..	—	—	9·73	—
Minûfiya Travelling :—				
Ashmûn ... ..	—	—	14·70	9·85

TABLE XIV.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909.

YEAR.	TOTAL NUMBER OF PATIENTS EXAMINED.	ONE EYE.		BOTH EYES.		ONE EYE AND BOTH EYES.	
		Number.	Per Cent.	Number	Per Cent.	Number.	Per Cent.
1909 ... ..	22,373	2,116	9·4	1,385	6·1	3,501	15·6
1910 ... ..	25,506	2,438	9·5	2,010	7·8	4,448	17·4
1911 ... ..	31,274	3,196	10·2	2,811	8·9	6,007	19·2
1912 ... ..	43,668	4,115	9·4	2,824	6·4	6,939	15·8
1913 ... ..	62,233	5,360	8·6	3,878	6·2	9,238	14·8
1914 ... ..	75,398	6,425	8·5	3,591	4·7	10,016	13·2
1915 ... ..	71,930	5,637	7·8	2,992	4·2	8,629	12·0
1916 ... ..	94,447	7,042	7·4	3,504	3·7	10,546	11·2
1917 ... ..	100,410	9,385	9·3	4,611	4·6	13,996	13·9
1918 ... ..	90,668	8,969	9·9	4,261	4·7	13,230	14·6
1919 ... ..	83,577	8,537	10·2	4,278	5·1	12,815	15·3
1920 ... ..	108,113	9,833	9·1	5,154	4·7	14,987	13·8
1921 ... ..	127,223	10,566	8·3	5,053	3·9	15,619	12·2
1922 ... ..	147,492	12,524	8·5	4,850	3·3	17,374	11·8
1923 ... ..	174,004	14,394	8·3	5,146	2·9	19,540	11·2
1924 ... ..	206,342	16,535	8·0	5,716	2·8	22,251	10·8
1925 ... ..	246,771	19,422	7·9	6,137	2·5	25,559	10·4
1926 ... ..	283,602	21,979	7·7	6,702	2·6	28,681	10·1
TOTAL ... ..	1,995,031	168,473	8·4	74,903	3·8	243,376	12·2

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say, inability to count fingers held up at a distance of one metre.

TABLE XV.—YEARLY PERCENTAGE OF BLINDNESS AMONG  
OPHTHALMIC HOSPITALS PATIENTS SINCE THE YEAR 1909.

YEAR.	Per Cent of Blindness in one or both Eyes.	YEAR.	Per Cent of Blindness in one or both Eyes.
1909 ... ..	15·6	1918 ... ..	14·6
1910 ... ..	17·4	1919 ... ..	15·3
1911 ... ..	19·2	1920 ... ..	13·8
1912 ... ..	15·8	1921 ... ..	12·2
1913 ... ..	14·8	1922 ... ..	11·8
1914 ... ..	13·2	1923 ... ..	11·2
1915 ... ..	12·0	1924 ... ..	10·8
1916 ... ..	11·2	1925 ... ..	10·4
1917 ... ..	13·9	1926 ... ..	10·1

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say, inability to count fingers held up at a distance of one metre.

TABLE XVI.—PRIMARY GLAUCOMA.

Acute ... ..	32)
Subacute ... ..	184)*
Chronic ... ..	3,401)
TOTAL ... ..	3,617
Total number of patients examined ... ..	283,602
Per cent of glaucoma cases ... ..	1·27
Per cent of absolute glaucoma cases ... ..	0·76
Operations :—	
Iridectomy ... ..	668
Trephine with iridectomy ... ..	1,073

\* Including 2144 absolute monocular and binocular.

TABLE XVII.—PATHOLOGICAL REPORT.

Tissues hardened, Sections cut and examined Microscopically at the Memorial Ophthalmic Laboratory, Gîza, during 1926.

<i>Lids :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Tumours :—</i>																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34
<i>Conjunctiva :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31
Degeneration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27
<i>Tumours :—</i>																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
<i>Limbus :—</i>																		
<i>Tumours :—</i>																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
<i>Cornea :—</i>																		
<i>Tumours :—</i>																		
Benign...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Sclerotic :—</i>																		
Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
<i>Iris and Ciliary Body :—</i>																		
Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
<i>Choroid :—</i>																		
Degeneration including ossification	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
<i>Tumours :—</i>																		
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
<i>Retina :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
<i>Tumours :—</i>																		
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
<i>Orbit :—</i>																		
<i>Tumours :—</i>																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
<i>Lacrimal Glands :—</i>																		
<i>Tumours :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
																	TOTAL, carried forward ... ..	228

TABLE XVII.—PATHOLOGICAL REPORT (*continued.*)

TOTAL, brought forward... ..																		228
<i>Lacrimonal Sac</i> :—																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	56
<i>Glaucoma</i> :—																		
Primary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Secondary :—																		
Anterior synechia or adherent leucoma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	131
Luxation of Lens	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Intra-ocular hæmorrhage	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Injury of Lens...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Inflammation (irido-cyclitis, etc.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14
Operative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Sympathetic Ophthalmia</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
<i>Phthisis Bulbi</i> :—																		
Cause undetermined	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	45
Post operative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
<i>Fly Blown Orbit</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Unclassified</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
<i>Undetermined</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
<i>Examination of Cells</i> :—																		
Eosinophilia :—																		
Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	52
GRAND TOTAL... ..																		612

TABLE XVIII.—WASSERMANN TEST.

Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	131
Doubtful	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	297
Unfit	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	70
Anticomplementary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30
TOTAL... ..																		546

TABLE XIX.—RESULTS OF EXAMINATION FOR DIPHTHERIA SPECIMENS.

Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	62
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	289
Overgrown	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
Sterile...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	77
TOTAL... ..																		433

TABLE XX.—NUMBER OF BEDS AT THE OPHTHALMIC HOSPITALS.

HOSPITAL.	First.	Second.	Third.
No. 1 Travelling ... ..	—	—	30
„ 2 „ ... ..	—	—	20
„ 3 „ ... ..	—	—	15
„ 4 „ ... ..	—	—	14
„ 5 „ ... ..	—	—	14
Tanta ... ..	—	—	28
Asyût ... ..	1	—	43
Mansûra... ..	—	—	34
Beni Suef ... ..	—	—	22
Zagazîg ... ..	—	—	26
Damanhûr ... ..	—	—	28
Shibîn el Kôm ... ..	—	—	20
Sohâg ... ..	—	—	20
Minya ... ..	—	—	21
Faiyûm ... ..	—	—	10
Benha ... ..	—	—	22
Alexandria ... ..	—	—	31
Port Said ... ..	—	—	6
Qena ... ..	—	—	23
Damietta ... ..	—	—	22
Gîza ... ..	—	—	30
Suez ... ..	—	—	8
Daqahliya ... ..	—	—	12
Santa ... ..	—	—	10
TOTAL ... ..	1	—	509

TABLE XXI.—COST OF UNIFORM DIETS FOR THE IN-PATIENTS OF THE OPHTHALMIC HOSPITALS DURING 1926, EXCLUDING COST OF RATIONS OF EMPLOYEES.

HOSPITAL.	Number of Diets issued.	Total Cost.* L. E.	Cost per Day per Head. Mills.
Faiyûm ... ..	4,262	186	43·6
Daqahliya Travelling (Mît Ghamr, Dikirnis, Aga, Simbel- lâwein) ... ..	3,853	162	42·0
Sohâg ... ..	6,942	281	40·4
No. 3 Camp, Aswân and Idfû ... ..	3,924	158	40·2
Beni Suef ... ..	7,575	294	38·8
Santa ... ..	3,481	135	38·7
Minya ... ..	7,871	280	35·5
Damanhûr ... ..	7,272	248	34·1
Zagazîg ... ..	8,336	279	33·4
Tanta ... ..	8,728	278	31·8
Gîza... ..	10,847	339	31·2
Mansûra... ..	11,274	346	30·6
Qena ... ..	7,198	217	30·1
No. 1 Camp, Rôd el Farag... ..	10,469	310	29·6
No. 5 Camp, Beni Mazâr and Girga† ... ..	5,325	158	29·6
Shibîn el Kôm ... ..	6,160	177	28·7
Benha ... ..	6,928	198	28·5
No. 4 Camp, El Saff and Bilbeis‡ ... ..	3,915	82	20·9
Asyût ... ..	15,475	300	19·3
No. 2 Camp, Dilingât and Shubra Khît† ... ..	5,546	61	10·9
TOTAL... ..	145,381	4,489	30·8

\* Fuel excluded.  
† Some bought locally and some supplied by contractors.  
‡ Food bought locally.

Scale of Full Diet as given to All In-patients at all Ophthalmic Hospitals.

	Grammes.
Bread ... ..	600
Beef ... ..	150
Vegetables ... ..	150
Lentils... ..	75
Rice ... ..	75
Milk ... ..	200
Native butter ( <i>Samna Baladi</i> ) ... ..	15
Sugar ... ..	30
Salt ... ..	20

TABLE XXII.—SOURCES OF PROVISION OF OPHTHALMIC HOSPITALS.

HOSPITAL.	Date at which opened.	Government Grant.	Public Subscription or Private Benefaction.	Provincial Councils or Municipalities.
		L.E.	L.E.	L.E.
No. 1 Travelling* ... ..	1904	—	1,000	—
No. 2 Travelling ... ..	1905	—	1,000	—
Tanta ... ..	1908	8,463	—	—
Asyût ... ..	1911	8,817 and site	5,004	—
Mansûra ... ..	1912	—	5,000	—
Beni Suef ... ..		—	4,000	—
Asyût Travelling ... ..		—	—	720
Zagazîg ... ..	1913	—	—	4,286
Mahalla el Kubra... ..		—	—	2,400
Kafr el Zaiyât ... ..		—	—	2,200
Daqahliya Travelling ... ..		—	—	720
Damanhûr ... ..	1914	—	—	5,000
Shibîn el Kôm ... ..		—	5,422	—
Sohâg ... ..		960	4,000	—
Minya ... ..	1915	—	—	5,500
Santa ... ..		—	—	2,600
Faiyûm ... ..	1916	Site.	—	4,000
No. 3 Travelling † ... ..	1918	—	—	1,500
Benha ... ..	1920	—	14,000	—
Alexandria (Oph. Branch) ... ..		annexed to general Hosp.	—	—
Port Said... ..	1921	1,000	—	1,000
Qena... ..	1923	—	12,400	2,800
Damietta (Oph. Branch) ... ..		1,000 annexed to general hospital	240	—
Fouad I Govt. Ophthalmic Hospital, Gîza ... ..	1924	3,000 and site.	8,668	600
Suez Ophthalmic Branch under canvas annexed to general Hospital... ..		1,000	—	—
No. 4 Travelling ... ..		2,000	—	—
„ 5 „ ... ..	1925	2,000	—	—
Minûf ... ..		—	—	950
Ashmûn ... ..		—	—	950
Memorial Ophthalmic Laboratory Gîza ... ..	1926	2,000	6,600	—
Berrîm ... ..		—	—	800
Mellawi ... ..		—	—	800
TOTAL ... ..		30,240	67,334	36,826

\* Retained in Cairo for provision of clinical facilities for teaching.

† For South Egypt, Isna to Aswân until Aswân Permanent Hospital is built.

TABLE XXIII.—ACTUAL EXPENDITURE 1925-1926.—(A) CENTRAL ADMINISTRATION.

CHAPTER.	Grant.	Expenditure.
	L.E.	L.E.
Pensionable Staff ... ..	5,166	4,331
Hors Cadre Staff ... ..	313	313
Transport, Transfer and Travelling Allowance ... ..	1,200	409
Telephones ... ..	23	— } *
Telegrams ... ..	10	
TOTAL ... ..	6,712	5,053

\* Included in the general expenditure of the various units of the whole Department.

TABLE XXIV.—ACTUAL EXPENDITURE 1925-1926.—(B) GOVERNMENT OPHTHALMIC HOSPITALS.

CHAPTER.	Grant.	Total Actual Expenditure.
	L.E.	L.E.
Pensionable Staff ... ..	12,922	12,922
Hors Cadre Staff ... ..	9,172	9,172
Ophthalmic allowance ... ..	288	60
Transport, transfer and travelling allowance ... ..	1,200	851
Food ... ..	5,511	6,206
Forage ... ..	76	69
Water ... ..	518	452
Light ... ..	245	251
Disposal of sewage ... ..	73	46
Heating ... ..	+ *	426
Rent ... ..	100	20
Telegrams and Telephones ... ..	198	157
Stores :—		
General equipment ... ..	+ * }	5,697
Surgical equipment ... ..		322
Instruments ... ..		556
Drugs ... ..		3,059
Dressings ... ..		813
Transport of Stores ... ..	1,200	92
Petty Expenses... ..	395	255
TOTAL ... ..		41,426 †

\* No special grant for the Ophthalmic Hospitals. The grant is for the various units of the whole Department.

† Excluding repairs, being omitted as the credit is at the disposal of the Public Works Ministry and no return is made.



TABLE XXVI.—ACTUAL EXPENDITURE 1925-1926.—(C) PROVINCIAL COUNCIL OPHTHALMIC HOSPITALS.

CHAPTER.	GHARBIYA.					ASSYÛT.		DAQAHLIYA.		MENÔFIYA.		
	Grant.	Expenditure.	Expenditure Per Unit.			Grant.	Expenditure.	Grant.	Expenditure.	Grant.	Expenditure per Unit.	
			Mahalla el Kubra.	Kafr el Zayât.	Santa.						Minûf.	Ashmûn.
	L.E.	L.E.	L.E.	L.E.	L.E.	L.E.	L.E.	L.E.	L.E.	L.E.	L.E.	L.E.
Employees...	1,174	1,023	383	352	288	252	252	324	303	504	324	324
Servants ...	629	563	153	171	239	109	101	242	223	282	127	127
Transport and travelling allowance ...	—	21	4	5	12		29	100	124	36	3	3
Food ...	100	161	—	—	161		—	160	162	—	—	—
Light and heating ...	26	9	2	1	6		2	20	9	20	3	3
Stores :—												
Equipment...	{	226	71	54	101	L.E. 220 for depenses diverses, no details.						
Instruments ...												
Drugs ...												
	420						93	200	114	400	78	78
						9						
	240	247	115	52	80		90	150	127			
Post and telegrams ...	6	8	2	1	5		3	1	4	4	—	—
Petty expenses ...	45	23	1	1	21		11	15	28	30	2	2
TOTAL ...	2,640	2,281	731	637	913	581	590	1,212	1,094	1,276	537	537
												—

Opened on December 25th, 1926 and its expenditures registration is carried out by the Provincial Council.

Opened on December 25th, 1926 and its expenditures registration is carried out by the Provincial Council.

TABLE XXVII.—COMPARISON OF THE COST OF MAINTENANCE OF A PERMANENT  
OPHTHALMIC HOSPITAL IN 1914 AND 1926.

	Number.	1914	TOTAL.	Number	1926	TOTAL.
		L.E.	L.E.		L.E.	L.E.
ART. 1.—Salaries, Wages, and Allowances :—						
A.—Pensionable Staff :—						
Medical Officer ... ..	2	336		2	420	
Clerk ... ..	1	60		1	90	
Mo'awin ... ..	—	—		1	90	
	3		396	4		600
C.—Hors Cadre Staff :—						
Mo'awin ... ..	1	48		—	—	
Chief attendant ... ..	1	36		2	84	
Attendants (male)... ..	2	42		5	150	
„ (female) ... ..	2	36		2	42	
Cook ... ..	1	24		1	42	
Sai ... ..	1	18		1	30	
Gardener ... ..	—	—		1	30	
Boab ... ..	1	18		—	—	
Sundry subordinate staff ... ..	3	54		—	—	
	12		276	12		378
E.—Allowances... ..						
		72	72		—	—
ART. 2.—Transport, Transfer and Travelling Allowances :—						
Transport ... ..	}	50	50	}	10	80
Transfer ... ..					20	
Travelling allowance... ..					50	
ART. 3.—Food ... ..						
			139			371
ART. 5.—Rent, Water, Lighting, etc. :—						
Water ... ..		30			60	
Lighting... ..		40			40	
Heating ... ..		20			30	
Sewage ... ..		12			—	
			102			130
ART. 6.—Books and Periodicals ... ..						
			1			—
ART. 7.—Telegrams and Telephones :—						
Telegrams ... ..	}	9	9	}	2	12
Telephones ... ..					10	
ART. 8.—Petty Expenses ... ..						
			12			20
ART. 11.—Stores ... ..						
			300			500
TOTAL ... ..						
			1,357			2,091

Statistics of Ophthalmic Treatment in Schools, 1926-1927.

Ophthalmic treatment has been carried out at the Primary Government Schools of Tanta, Asyût, Mansûra, Beni Suef, Zagazîg, Damanhûr, Shibîn el Kôm, Suhâg, Minya, Faiyûm, Gîza, Benha, Moharram Bey and Ras el Tîn at Alexandria, Abbâsiya, Mohammad Aly, Munîra, Mohammadiya, Gamâliya and Abbâs at Cairo, and Qena.

TABLE I.—CONDITION OF CONJUNCTIVA.—(a) BEGINNING OF THE YEAR.

SCHOOLS.	No Trachoma.	Non-trachomatous conjunctivitis.	TRACHOMA.				TOTAL.
			I.	II.	III.	IV.	
Tanta ... ..	27	—	57	130	318	217	749
Per cent ... ..	3·60	—	7·61	17·36	42·46	28·97	
Asyût ... ..	27	—	106	61	243	96	533
Per cent ... ..	5·07	—	19·89	11·44	45·59	18·01	
Mansûra ... ..	26	—	244	27	102	255	654
Per cent ... ..	3·98	—	37·31	4·13	15·59	38·99	
Beni Suef ... ..	35	—	59	48	253	173	568
Per cent ... ..	6·17	—	10·39	8·45	44·54	30·45	
Zagazîg ... ..	55	—	2	37	295	213	602
Per cent ... ..	9·14	—	0·33	6·15	49·00	35·38	
Damanhûr ... ..	14	—	37	44	199	71	365
Per cent ... ..	3·84	—	10·14	12·05	54·52	19·45	
Shibîn el Kôm ... ..	11	—	7	29	77	68	192
Per cent ... ..	5·73	—	3·65	15·10	40·10	35·42	
Sohâg ... ..	8	—	6	34	135	148	331
Per cent ... ..	2·42	—	1·81	10·27	40·79	44·71	
Minya ... ..	16	—	31	66	124	100	337
Per cent ... ..	4·74	—	9·19	19·58	36·79	29·67	
Faiyûm ... ..	6	—	24	76	160	80	346
Per cent ... ..	1·73	—	6·94	21·97	46·24	23·12	
Gîza ... ..	24	—	23	47	153	89	336
Per cent ... ..	7·14	—	6·85	13·99	45·54	26·48	
Benha ... ..	15	—	80	65	154	89	403
Per cent ... ..	3·72	—	19·85	16·13	38·21	22·08	
Moharram Bey ... ..	75	—	25	17	57	168	342
Per cent ... ..	21·93	—	7·31	4·97	16·67	49·12	
Abbâsiya ... ..	57	—	71	30	156	288	602
Per cent ... ..	9·47	—	11·79	4·98	25·91	47·84	
Mohammad Aly ... ..	29	—	113	48	152	333	675
Per cent ... ..	4·30	—	16·74	7·11	22·52	49·32	
Ras el Tîn ... ..	148	—	38	35	134	503	858
Per cent ... ..	17·25	—	4·43	4·08	15·62	58·62	
Qena ... ..	9	—	32	70	105	28	244
Per cent ... ..	3·69	—	13·11	28·69	43·03	11·47	
Munîra ... ..	49	—	51	27	75	238	440
Per cent ... ..	11·14	—	11·59	6·14	17·04	54·09	
Mohammadiya ... ..	21	—	53	61	133	245	513
Per cent ... ..	4·09	—	10·33	11·89	25·93	47·76	
Gamâliya ... ..	20	—	28	33	68	67	216
Per cent ... ..	9·26	—	12·96	15·28	31·48	31·02	
Abbâs ... ..	83	—	60	28	139	192	502
Per cent ... ..	16·51	—	11·95	5·58	27·69	38·25	
TOTAL ... ..	755	—	1147	1013	3232	3661	9808
Per cent ... ..	7·70	—	11·69	10·33	32·95	37·33	

TABLE I.—CONDITION OF CONJUNCTIVA.—(b) END OF THE YEAR.

SCHOOL.	No Trachoma.	Non-trachomatous conjunctivitis.	TRACHOMA.				TOTAL.
			I.	II.	III.	IV.	
Tanta ... ..	23	—	—	—	452	175	650
Per cent ... ..	3·54	—	—	—	69·54	26·92	
Asyût ... ..	24	—	47	4	287	125	487
Per cent ... ..	4·93	—	9·65	0·82	58·93	25·67	
Mansûra ... ..	32	—	207	—	122	274	635
Per cent ... ..	5·04	—	32·59	—	19·21	43·15	
Beni Suef ... ..	32	—	32	11	283	143	501
Per cent ... ..	6·38	—	6·38	2·19	56·49	28·54	
Zagazig ... ..	55	—	—	—	150	365	570
Per cent ... ..	9·64	—	—	—	26·35	64·04	
Damanhûr ... ..	10	—	11	—	216	105	342
Per cent ... ..	2·92	—	3·22	—	63·15	30·70	
Shibîn el Kôm ... ..	11	—	1	1	92	82	187
Per cent ... ..	5·88	—	0·53	0·53	49·19	43·85	
Sohâg ... ..	10	—	1	2	158	160	331
Per cent ... ..	3·02	—	0·30	0·60	47·73	48·33	
Minya ... ..	21	—	—	3	188	112	324
Per cent ... ..	6·48	—	—	0·92	58·02	34·57	
Faiyûm ... ..	6	—	5	2	186	109	308
Per cent ... ..	1·94	—	1·62	0·65	60·39	35·39	
Gîza ... ..	24	—	5	—	203	92	324
Per cent ... ..	7·41	—	1·54	—	62·65	28·39	
Benha ... ..	16	—	35	5	218	142	416
Per cent ... ..	3·84	—	8·41	1·20	52·40	34·13	
Moharram Bey ... ..	79	—	—	—	70	197	346
Per cent ... ..	22·83	—	—	—	20·23	56·93	
Abbâssiya ... ..	58	—	32	3	197	308	598
Per cent ... ..	9·69	—	5·35	0·50	32·94	51·51	
Mohammad Aly ... ..	26	—	40	—	182	411	659
Per cent ... ..	3·94	—	6·06	—	27·61	62·36	
Râs el Tîn ... ..	132	—	—	—	167	514	813
Per cent ... ..	16·23	—	—	—	20·54	63·22	
Qena ... ..	8	—	28	—	109	103	248
Per cent ... ..	3·22	—	11·29	—	43·95	41·53	
Munîra ... ..	50	—	37	5	123	248	463
Per cent ... ..	10·79	—	7·99	1·08	26·56	53·50	
Mohammadiya ... ..	20	—	—	—	200	264	484
Per cent ... ..	4·13	—	—	—	41·32	54·54	
Gamâliya ... ..	20	—	7	2	112	74	215
Per cent ... ..	9·30	—	3·25	0·93	52·09	34·42	
Abbâs ... ..	86	—	50	6	175	199	516
Per cent ... ..	16·66	—	9·69	1·19	33·91	38·56	
TOTAL ...	743	—	538	44	3890	4202	9417
Per cent ...	7·88	—	5·71	0·47	41·31	44·62	

TABLE II *a*.—EFFECT OF TREATMENT ON SERIOUS STAGES OF TRACHOMA.

YEAR.	BEGINNING OF THE YEAR.			END OF THE YEAR.	
	Pupils with any stage of Trachoma.	Pupils with serious stages of Trachoma I. and II.		Pupils with serious stages of Trachoma I. and II.	
	No.	No.	Per Cent.	No.	Per Cent.
1907-1908 ... ..	464	289	62.3	—	—
1914-1915 ... ..	1,553	342	22.0	61	4.0
1916-1917 ... ..	1,528	327	21.4	48	3.0
1917-1918 ... ..	1,699	282	16.6	71	4.2
1919-1920 ... ..	2,454	410	16.7	201	8.2
1920-1921 ... ..	3,363	643	19.1	290	8.6
1921-1922 ... ..	5,036	1,369	27.2	580	11.5
1922-1923 ... ..	6,140	1,982	32.3	892	14.5
1923-1924 ... ..	6,820	2,115	31.0	835	12.2
1924-1925 ... ..	7,107	2,442	34.4	722	10.2
1925-1926 ... ..	7,337	1,865	25.4	374	5.1
1926-1927 ... ..	9,053	2,160	23.9	582	6.4

TABLE II *b*.—STAGES OF TRACHOMA AT BEGINNING AND END OF SCHOOL YEAR.

STAGES OF TRACHOMA.						BEGINNING OF THE YEAR.		END OF THE YEAR.	
						No.	Per Cent.	No.	Per Cent.
Trachoma	I	...	...	...	...	1,147	12.7	538	6.2
„	II	...	...	...	...	1,013	11.2	44	0.5
„	III	...	...	...	...	3,232	35.7	3,890	44.9
„	IV	...	...	...	...	3,661	40.4	4,202	48.4

TABLE III a.—TRACHOMA AND ITS RELATION TO SCHOOL YEARS (Beginning of the Year.)

SCHOOL.	1ST YEAR.				2ND YEAR.				3RD YEAR.				4TH YEAR.			
	Trachoma.				Trachoma.				Trachoma.				Trachoma.			
	Non-Trachomatous.	I.	II.	III.	IV.	Non-Trachomatous.	I.	II.	III.	IV.	Non-Trachomatous.	I.	II.	III.	IV.	Non-Trachomatous.
Tanta ... ..	4	24	26	52	32	5	16	27	72	53	12	14	49	77	66	6
Asyût ... ..	4	34	24	44	13	9	24	16	39	19	9	33	14	100	36	5
Mansûra ... ..	6	80	17	25	26	11	77	9	27	62	5	51	—	33	87	4
Beni Suef ... ..	7	21	15	30	22	12	17	7	61	31	7	14	10	91	53	9
Zagazîg ... ..	19	—	18	74	35	15	2	15	77	52	8	—	4	87	74	13
Damanhûr ... ..	5	22	20	25	10	2	8	13	52	14	6	4	7	64	24	1
Shibîn el Kôm ... ..	2	2	6	19	11	—	4	8	21	9	5	—	6	21	25	4
Suhâg ... ..	1	3	10	26	24	2	2	11	32	36	2	1	7	47	55	3
Minya ... ..	—	16	23	24	7	2	11	24	31	21	5	2	11	32	30	9
Faiyûm ... ..	2	10	23	33	8	1	3	21	38	24	1	7	18	43	28	2
Gîza ... ..	4	13	28	16	8	5	4	10	47	23	10	5	7	60	30	5
Benha ... ..	6	38	33	13	13	3	19	17	34	13	5	18	5	57	30	1
Moharram Bey ... ..	21	7	5	6	17	25	10	5	31	25	18	5	7	12	76	11
Abbâssiya ... ..	14	29	17	21	29	22	22	8	50	70	11	13	5	61	82	10
Mohammad Aly ... ..	13	53	15	27	26	4	30	12	33	86	6	18	15	40	103	6
Râs el Tîn ... ..	16	16	10	21	62	44	12	16	30	133	38	8	5	50	174	50
Qena ... ..	2	11	21	15	3	3	12	16	22	6	2	3	20	35	10	2
Munîra ... ..	13	21	3	21	56	15	11	7	24	62	12	13	9	18	65	9
Mohammadîya ... ..	11	32	22	15	51	4	9	9	31	62	4	9	20	47	79	2
Gamâliya ... ..	4	11	5	12	8	5	10	19	14	17	1	4	5	14	18	10
Abbâs ... ..	12	11	8	7	15	28	22	8	34	34	27	22	8	38	81	16
TOTAL ... ..	166	454	349	526	476	217	325	278	800	852	194	244	232	1027	1226	178
												124	154	879		1107

TABLE III *b*.—COMPARISON OF SERIOUS STAGES OF TRACHOMA I and II (BEGINNING OF THE YEAR).

CLASS.	Total number of pupils.	Total number of serious stages of Trachoma I and II.	Per Cent.
First Year ... ..	1,971	803	40·7
Second Year ... ..	2,472	603	24·4
Third Year... ..	2,923	476	16·3
Fourth Year ... ..	2,442	278	11·4

TABLE IV.—VISION OF ALL PUPILS WITHOUT SPECTACLES.

	TOTAL.	GRAND TOTAL.	Per Cent.
Good Vision :—			
(a) Normal vision in each eye 6/6 and 6/6 ... ..	2,073		
(b) Vision 6/6 and 6/9 or 6/9 and 6/9 ... ..	2,249	4,322	44·07
Fair Vision :—			
(a) Vision 6/6 and 6/12, 6/9 and 6/12 or 6/12 and 6/12 ... ..	2,128		
(b) Vision 6/6 and 6/18 ... ..	208	2,336	23·82
Bad Vision :—			
Fails to attain any of the above standards ... ..	3,150	3,150	32·12
TOTAL ... ..	9,808	9,808	

TABLE V.—SPECTACLES ORDERED.

	Tanta.	Asyút.	Mansûra.	Beni Suef.	Zagazig.	Damanhûr.	Shibin el Kôm.	Suhâg.	Minya.	Faiyûm.	Giza.	Benha.	Moharram Bey.	Abbâsiya.	Mohammad Aly.	Ras el Tin.	Qena.	Munira.	Mohammediya.	Gamâliya.	Abbâs.	TOTAL.
Number of pupils now attending obtained spectacles in previous years ... ..	18	18	21	24	38	22	8	21	15	19	18	28	5	14	18	30	15	9	7	1	10	359.
Number of pupils now attending obtained spectacles in this year ... ..	18	12	—	—	13	3	2	13	2	2	3	19	—	6	4	18	—	4	9	5	18	151
Number of pupils now attending ordered spectacles but not yet obtained ... ..	16	—	7	10	—	—	—	6	—	3	—	—	2	—	—	—	10	—	—	—	—	54
TOTAL ... ..	52	30	28	34	51	25	10	40	17	24	21	47	7	20	22	48	25	13	16	6	28	564
Spectacles on order or under repair ... ..	21	3	7	10	—	—	—	6	—	3	—	—	2	—	—	1	10	—	—	—	—	63.
Number of pupils wearing spectacles on date of general inspection ... ..	30	11	17	21	40	25	10	25	17	21	16	44	5	20	22	47	15	13	15	6	9	429.
Net number not wearing spectacles which were previously ordered ... ..	1	16	4	3	11	—	—	9	—	—	5	3	—	—	—	—	—	—	1	—	19	72

TABLE VI.—NUMBER OF PUPILS ORDERED SPECTACLES WHO BY USE OF SPECTACLES NOT GREATER IN STRENGTH THAN  $\pm 6$  D. CAN GET GOOD OR FAIR VISION.

	TOTAL.	GRAND TOTAL.	Per Cent.*
Good Vision :—			
(a) Normal vision in each eye 6/6 and 6/6 ... ..	26		
(b) Vision 6/6 and 6/9, or 6/9 and 6/9 ... ..	97	123	21.8
Fair Vision :—			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12 or 6/12 and 6/12... ..	140		
(b) Vision 6/6 and 6/18... ..	19	159	28.2

\* The percentage is taken in relation to the number of all pupils ordered spectacles (i.e. 564). See Table V.

TABLE VII.—CONDITION OF CORNEA BEFORE TREATMENT.

SCHOOL.	Both Corneae clear.	One Cornea clear the Other showing Opacity.	Opacity of both Corneae.
Tanta ... ..	653	75	21
Asyût ... ..	503	18	12
Mansûra ... ..	586	52	16
Beni Suef ... ..	533	28	7
Zagazîg ... ..	528	50	24
Damanhûr ... ..	342	21	2
Shibîn el Kôm ... ..	158	17	17
Suhâg ... ..	271	40	20
Minya ... ..	284	31	22
Faiyûm ... ..	293	34	19
Gîza ... ..	298	20	18
Benha ... ..	339	42	22
Moharram Bey ... ..	330	9	3
Abbasîya ... ..	577	18	7
Mohammad Aly ... ..	637	24	14
Râs el Tîn... ..	829	22	7
Qena ... ..	200	26	18
Munîra ... ..	414	17	9
Mohammadîya ... ..	476	31	6
Gamâliya ... ..	200	13	3
Abbâs ... ..	477	23	2
TOTAL ... ..	8,928	611	269
Per cent ... ..	91.03	6.23	2.74

TABLE VIII.—COMPARISON OF CORNEAL OPACITY AMONG PUPILS OF TANTA PRIMARY SCHOOL IN THE YEARS 1914-1915 AND 1926-1927.

YEAR.	Both Corneae clear.	One Cornea clear, the other showing Opacity	Opacity of both Corneae.
1914-1915	173	54	33
1926-1927	653	75	21



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